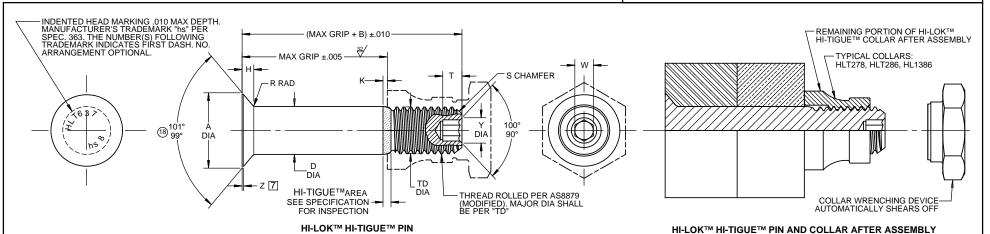
(18)

For the current list of licensed manufacturers, please visit the LISI AEROSPACE website at:

HTTP://WWW.LISI-AEROSPACE.COM/LICENSES



SEE COLLAR STANDARDS FOR COLLAR STRENGTHS. LOWER STRENGTH (PIN OR COLLAR) DETERMINES SYSTEM STRENGTH

					8		1				7							
FIRST	PIN			D DIA								s		SOCKET			DOUBLE	TENSION
DASH NO.	NOM DIA	A DIA	B REF	WITHOUT COATING OR SOLID FILM LUBE	AFTER COATING OR SOLID FILM LUBE	T D DIA	F	н	K REF	R RAD	Z MAX	CHAMFER REF	THREAD MODIFIED	W HEX	T DEPTH	Y DIA	SHEAR POUNDS MINIMUM	POUNDS MINIMUM
5						NOTE: USE HLT337-6-() or HLT453-6-()												
6	7/32	.3813 .3765	.360	.2182 .2177	.2182 .2172	.1840 .1810	.005	.0684 .0664	.022	.030 .020	.015	1/32 x 37°	.1900-32 UNJF-3A	.0806 .0791	.100 .080	.119 .104	7,100	2,750
8	9/32	.5066 .5018	.435	.2807 .2802	.2807 .2797	.2440 .2410	.006	.0948 .0928	.027	.030 .020	.015	1/32 x 37°	.2500-28 UNJF-3A	.0967 .0947	.110 .090	.142 .122	11,800	5,820
10	11/32	.6335 .6287	.545	.3432 .3427	.3432 .3422	.3060 .3020	.007	.1218 .1198	.032	.040 .030	.015	3/64 x 37°	.3125-24 UNJF-3A	.1295 .1270	.130 .110	.180 .160	17,600	9,200
12	13/32	.7604 .7556	.590	.4057 .4052	.4057 .4047	.3680 .3640	.008	.1488 .1468	.036	.040 .030	.015	3/64 x 37°	.3750-24 UNJF-3A	.1617 .1582	.160 .140	.217 .197	24,600	14,000
14	15/32	.8884 .8812	.690	.4682 .4677	.4682 .4672	.4310 .4260	.009	.1763 .1733	.035	.050 .040	.022	3/64 x 37°	.4375-20 UNJF-3A	.1930 .1895	.190 .170	.253 .233	32,700	18,900
16	17/32	1.0139 1.0068	.740	.5307 .5302	.5307 .5297	.4930 .4880	.010	.2027 .1997	.045	.050 .040	.022	3/64 x 37°	.5000-20 UNJF-3A	.2242 .2207	.220 .200	.289 .269	42,000	25,500
18	19/32	1.1408 1.1337	.825	.5927 .5922	.5927 .5917	.5550 .5500	.010	.2300 .2270	.041	.050 .040	.025	1/16 x 37°	.5625-18 UNJF-3A	.2555 .2520	.260 .240	.326 .306	52,400	32,400
20	21/32	1.2723 1.2651	.890	.6552 .6547	.6552 .6542	.6180 .6120	.010	.2589 .2559	.045	.050 .040	.025	1/16 x 37°	.6250-18 UNJF-3A	.2555 .2520	.260 .240	.326 .306	64,100	41,000
24	25/32	1.5308 1.5236	1.115	.7802 .7797	.7802 .7792	.7430 .7370	.012	.3149 .3119	.045	.050 .040	.025	1/16 x 37°	.7500-16 UNJF-3A	.3185 .3150	.330 .300	.398 .378	90,900	59,500

"HI-LOK", "HI-TIGUE", AND "HI-KOTE", ARE TRADEMARKS OF HI-SHEAR CORPORATION

DRAWN BY	DATE	TITLE			
VAN	1969-03-21	HI-LOK™ HI-TIGUE™ PIN			
		100° FLUSH MS24694 TENSION HEAD			
APPROVED	DATE	TITANIUM			
MILLER	1969-03-24	1117 (1410)			
····LLLIT	1808-03-24	1/16 GRIP VARIATION, 1/32 OVERSIZE			

1 OF 2

REVISION DATE M.BEARD 2017-05-16 HLT637

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2600 SKYPARK DRIVE, TORRANCE, CALIFORNIA 90509 U.S.A.

GENERAL NOTES: 1 Head edge out of roundness shall not exceed "F". 2. Concentricity: Conical surface of head to "D" diameter within .005 FIR. 3. "H" is dimensioned from maximum "D" diameter. (18) 4. Surface texture per ASME B46.1. (iii) 5. Dimensions are in inches and to be met after finish. 6. Hole preparation per NAS618. 7 Curved or flat edge manufacturer's option. 8 Maximum "D" diameter may be increased by .0002 to allow for aluminum coating application. Oversize pin for HLT453 and HLT437. 10 After February, 21st of 2015, HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294 will be replaced by REACH compliant HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 on fasteners coated in European Union. MATERIAL: 6Al-4V titanium alloy per AMS4928 or AMS4967. HEAT TREAT: 160,000 psi tensile minimum (95,000 psi shear minimum). SH: HLT637-()-()

10 HLT637AP()-()

11 HLT637AZ()-()

12 HLT637AZ()-()

13 HLT637FB()-()

14 HLT637FB()-()

15 HLT637FW()-()

16 HLT637FW()-()

17 HLT637FW()-()

18 HLT637FW()-()

19 HLT637FW()-()

10 HLT637FW()-()

10 HLT637FW()-()

10 HLT637FW()-()

11 HLT637FW()-()

12 Cetyl alcohol lube per Hi-Shear Spec. 305.

23 HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 305.

24 HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 305.

25 HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 305.

26 HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 305.

27 HI-KOTE™ 2 solid film lube on threads only per Hi-Spec. 305.

27 HI-KOTE™ 2 solid film lube on threads only per Hi-Spec. 305.

28 HI-KOTE™ 2 solid film lube on threads only per Hi-Spec. 305. **FINISH:** HLT637-()-() HI-Spec. 292, with color black on thread end, and cetyl alconol lube per Hi-Shear Spec. 305.

= HI-KOTE™ 1 aluminum pigmented coating per Hi-Shear Spec. 294, color white on thread end and cetyl alcohol lube per Hi-Shear Spec. 305.

= Ti-Shield IIIA or Tiodize Type II, HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292 and cetyl alcohol lube per Hi-Shear Spec. 305.

= HI-KOTE™ 2 solid film lube per Hi-Shear Spec. 292, and cetyl alcohol lube per Hi-Shear Spec. 305.

= Grit blast top of head, color white on thread end, and cetyl alcohol lube per Hi-Shear Spec. 305. 10 HLT637KM()-() HLT637TA()-() HLT637TB()-() HLT637ST()-() lube per Hi-Shear Spec. 305.

HLT637NKA()-() = HI-KOTE™ 1 NC aluminum pigmented coating per Hi-Shear Spec. 294 and cetyl alcohol lube per Hi-Shear Spec. 305.

(B) HLT637HK()-() = HI-KOTE™ 4 NC aluminum coating per Hi-Shear Spec. 397.

SPECIFICATION: HI-LOK™ HI-TIGUE™ Product Specification 342.

CODE: First dash number indicates nominal diameter in 1/32nds of the pin which HLT637 oversize pin replaces.. Second dash number indicates maximum grip in 1/16ths. See Finish note for explanation of code letters.

HOW TO ORDER

③ EXAMPLE: Pin Part Number

HLT637TB8-8

#LT637TB8-8

8/16 or 1/2 Maximum Grip Length

8/32 or 1/4 Nominal Diameter Pin

Finish Code

Pin Basic Part Number

2 OF 2